Review of: "Nanomaterials: History, Production, Properties, Applications, and Toxicities"

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The article is very interesting, but in terms of carbon-based nanomaterials, you could consult the article "https://www.nature.com/articles/s41598-023-33350-5" and include a little of the history and classification of graphene-based materials, remembering that the application of graphene oxide predates the "discovery" of graphene by Novoselov

Among the applications, photocatalysis was mentioned, but there are several applications of these nanomaterials in the removal of contaminants and separation of constituents by adsorption. Among the articles to start this adsorption topic, we can mention: http://dx.doi.org/10.1016/j.envres.2022.114425 and http://dx.doi.org/10.1016/j.envres .2020.109362

The toxicity of these nanomaterials can be better explored and discussed. Several articles provide assessments of phytotoxicity, for example. Among these, http://dx.doi.org/10.1016/j.jece.2022.108331 explores the toxicity of a ferromagnetic graphene oxide nanocomposite as an effective adsorbent for Clonazepam. Another point to be discussed further is the sustainability and ecofriendly production of these nanomaterials